

## SEQUENCE LISTING

<110> Max-Planck-Gesellschaft zur Förderung der Wissenschaften  
e.V.

<120> FKBP51 : A Novel Target for Antidepressant Therapy

<130> H 2589 PCT

<141> 2004-09-28

<150> EP 03 02 6953.4

<151> 2003-11-25

<160> 155

<170> PatentIn version 3.2

<210> 1

<211> 30

<212> DNA

<213> Artificial

<220>

<221> source

<223> /note="Description of artificial sequence: oligonucleotide"

<400> 1

acgttggatg tatctggcaa ccctaaccctc

30

<210> 2

<211> 30

<212> DNA

<213> Artificial

<220>

<221> source

<223> /note="Description of artificial sequence: oligonucleotide"

<400> 2

acgttggatg cctaacgaga tagtgaggag

30

<210> 3

<211> 30

<212> DNA

<213> Artificial

<220>

<221> source

<223> /note="Description of artificial sequence: oligonucleotide"

<400> 3

acgttggatg aacaccaaga gaagcagctc

30

<210> 4

<211> 30

<212> DNA

<213> Artificial

<220>

<221> source

<223> /note="Description of artificial sequence: oligonucleotide"

<400> 4

acgttggatg ctagccacct cctccataag

30

<210> 5

<211> 30

<212> DNA

<213> Artificial

<220>

<221> source

<223> /note="Description of artificial sequence: oligonucleotide"

<400> 5

acgttggatg aagagatcca ggcacacagaag

30

<210> 6

<211> 30

<212> DNA

<213> Artificial

<220>

<221> source

<223> /note="Description of artificial sequence: oligonucleotide"

<400> 6

acgttggatg tgccagcagt agcaagtaag

30

<210> 7

<211> 30

<212> DNA

<213> Artificial

<220>

<221> source

<223> /note="Description of artificial sequence: oligonucleotide"

<400> 7

acgttggatg aaacccttag tgtagaagag

30

<210> 8

<211> 30

<212> DNA

<213> Artificial

<220>

<221> source

<223> /note="Description of artificial sequence: oligonucleotide"

<400> 8

acgttggatg tttacactcc tctatcatgc

30

<210> 9  
<211> 19  
<212> DNA  
<213> Artificial  
  
<220>  
<221> source  
<223> /note="Description of artificial sequence: oligonucleotide"

<400> 9  
gactcctaca ttttcctct 19

<210> 10  
<211> 18  
<212> DNA  
<213> Artificial  
  
<220>  
<221> source  
<223> /note="Description of artificial sequence: oligonucleotide"

<400> 10  
gaagcagagtc ccttttaga 18

<210> 11  
<211> 22  
<212> DNA  
<213> Artificial  
  
<220>  
<221> source  
<223> /note="Description of artificial sequence: oligonucleotide"

<400> 11  
ggctttcaca taagcaaagt ta 22

<210> 12  
<211> 24  
<212> DNA  
<213> Artificial  
  
<220>  
<221> source  
<223> /note="Description of artificial sequence: oligonucleotide"

<400> 12  
aagagcaact atttatttgt caac 24

<210> 13  
<211> 21  
<212> DNA  
<213> Artificial  
  
<220>

<221> source  
<223> /note="Description of artificial sequence: oligonucleotide"

<400> 13  
attttcctct atcttggtcc a

21

<210> 14  
<211> 21  
<212> DNA  
<213> Artificial

<220>  
<221> source  
<223> /note="Description of artificial sequence: oligonucleotide"

<400> 14  
attttcctct gtcttggtcc a

21

<210> 15  
<211> 21  
<212> DNA  
<213> Artificial

<220>  
<221> source  
<223> /note="Description of artificial sequence: oligonucleotide"

<400> 15  
taaagtaatt ctctaaaggg a

21

<210> 16  
<211> 21  
<212> DNA  
<213> Artificial

<220>  
<221> source  
<223> /note="Description of artificial sequence: oligonucleotide"

<400> 16  
taaagtaatt ttctaaaggg a

21

<210> 17  
<211> 21  
<212> DNA  
<213> Artificial

<220>  
<221> source  
<223> /note="Description of artificial sequence: oligonucleotide"

<400> 17  
agcaaagtta tacaaaacaa a

21

<210> 18

<211> 21  
<212> DNA  
<213> Artificial  
  
<220>  
<221> source  
<223> /note="Description of artificial sequence: oligonucleotide"

<400> 18  
accaaagtta cacaaaacaa a 21

<210> 19  
<211> 21  
<212> DNA  
<213> Artificial  
  
<220>  
<221> source  
<223> /note="Description of artificial sequence: oligonucleotide"

<400> 19  
atttgtcaac cctacagatt t 21

<210> 20  
<211> 21  
<212> DNA  
<213> Artificial  
  
<220>  
<221> source  
<223> /note="Description of artificial sequence: oligonucleotide"

<400> 20  
atttgtcaac actacagatt t 21

<210> 21  
<211> 30  
<212> DNA  
<213> Artificial  
  
<220>  
<221> source  
<223> /note="Description of artificial sequence: oligonucleotide"

<400> 21  
acgttggatg tcgaaggac ttattcctcc 30

<210> 22  
<211> 30  
<212> DNA  
<213> Artificial  
  
<220>  
<221> source  
<223> /note="Description of artificial sequence: oligonucleotide"

<400> 22  
acgttggatg cagcagaagg aagacatcag 30

<210> 23  
<211> 30  
<212> DNA  
<213> Artificial

<220>  
<221> source  
<223> /note="Description of artificial sequence: oligonucleotide"

<400> 23  
acgttggatg acacacggct catctgtAAC 30

<210> 24  
<211> 30  
<212> DNA  
<213> Artificial

<220>  
<221> source  
<223> /note="Description of artificial sequence: oligonucleotide"

<400> 24  
acgttggatg atgccaggca tttgggttTC 30

<210> 25  
<211> 30  
<212> DNA  
<213> Artificial

<220>  
<221> source  
<223> /note="Description of artificial sequence: oligonucleotide"

<400> 25  
acgttggatg aagccctgtg gtttatGCC 30

<210> 26  
<211> 30  
<212> DNA  
<213> Artificial

<220>  
<221> source  
<223> /note="Description of artificial sequence: oligonucleotide"

<400> 26  
acgttggatg tggAACAAATT CTGTCCCCAG 30

<210> 27  
<211> 30  
<212> DNA  
<213> Artificial

<220>  
<221> source  
<223> /note="Description of artificial sequence: oligonucleotide"

<400> 27  
acgttggatg tttcctccct agattcccag

30

<210> 28  
<211> 30  
<212> DNA  
<213> Artificial

<220>  
<221> source  
<223> /note="Description of artificial sequence: oligonucleotide"

<400> 28  
acgttggatg gtcccagtgg aactttatgg

30

<210> 29  
<211> 30  
<212> DNA  
<213> Artificial

<220>  
<221> source  
<223> /note="Description of artificial sequence: oligonucleotide"

<400> 29  
acgttggatg acaagctatac gggctttctc

30

<210> 30  
<211> 30  
<212> DNA  
<213> Artificial

<220>  
<221> source  
<223> /note="Description of artificial sequence: oligonucleotide"

<400> 30  
acgttggatg agacaatctc ccagttgcag

30

<210> 31  
<211> 30  
<212> DNA  
<213> Artificial

<220>  
<221> source  
<223> /note="Description of artificial sequence: oligonucleotide"

<400> 31  
acgttggatg tctgaaatcc agctggacac

30

<210> 32  
<211> 30  
<212> DNA  
<213> Artificial  
  
<220>  
<221> source  
<223> /note="Description of artificial sequence: oligonucleotide"

<400> 32  
acgttggatg agtgagactc tgtccaaaag

30

<210> 33  
<211> 30  
<212> DNA  
<213> Artificial  
  
<220>  
<221> source  
<223> /note="Description of artificial sequence: oligonucleotide"

<400> 33  
acgttggatg ttgagaccag atgttggagg

30

<210> 34  
<211> 30  
<212> DNA  
<213> Artificial  
  
<220>  
<221> source  
<223> /note="Description of artificial sequence: oligonucleotide"

<400> 34  
acgttggatg gacagagtct ggctctgttg

30

<210> 35  
<211> 30  
<212> DNA  
<213> Artificial  
  
<220>  
<221> source  
<223> /note="Description of artificial sequence: oligonucleotide"

<400> 35  
acgttggatg tacagaccct gcaaagaacc

30

<210> 36  
<211> 30  
<212> DNA  
<213> Artificial  
  
<220>  
<221> source

<223> /note="Description of artificial sequence: oligonucleotide"

<400> 36

acgttggatg tgcgctatgg ctgcagatac

30

<210> 37

<211> 30

<212> DNA

<213> Artificial

<220>

<221> source

<223> /note="Description of artificial sequence: oligonucleotide"

<400> 37

acgttggatg tacagaccct gcaaagaacc

30

<210> 38

<211> 30

<212> DNA

<213> Artificial

<220>

<221> source

<223> /note="Description of artificial sequence: oligonucleotide"

<400> 38

acgttggatg tgcgctatgg ctgcagatac

30

<210> 39

<211> 30

<212> DNA

<213> Artificial

<220>

<221> source

<223> /note="Description of artificial sequence: oligonucleotide"

<400> 39

acgttggatg aaacagggaa gcttctaggc

30

<210> 40

<211> 30

<212> DNA

<213> Artificial

<220>

<221> source

<223> /note="Description of artificial sequence: oligonucleotide"

<400> 40

acgttggatg aagccaaagac taaaaccgca

30

<210> 41

<211> 30

<212> DNA  
<213> Artificial

<220>  
<221> source  
<223> /note="Description of artificial sequence: oligonucleotide"

<400> 41  
acgttggatg tattacaggc gtgagccatc

30

<210> 42  
<211> 30  
<212> DNA  
<213> Artificial

<220>  
<221> source  
<223> /note="Description of artificial sequence: oligonucleotide"

<400> 42  
acgttggatg atggtcttta gaggaattct

30

<210> 43  
<211> 30  
<212> DNA  
<213> Artificial

<220>  
<221> source  
<223> /note="Description of artificial sequence: oligonucleotide"

<400> 43  
acgttggatg gacagagtga gactcctcta

30

<210> 44  
<211> 30  
<212> DNA  
<213> Artificial

<220>  
<221> source  
<223> /note="Description of artificial sequence: oligonucleotide"

<400> 44  
acgttggatg ttctcaaacc agcaactcagg

30

<210> 45  
<211> 30  
<212> DNA  
<213> Artificial

<220>  
<221> source  
<223> /note="Description of artificial sequence: oligonucleotide"

<400> 45

acgttggatg gggaaaagaa tcaagggaaag 30

<210> 46  
<211> 30  
<212> DNA  
<213> Artificial

<220>  
<221> source  
<223> /note="Description of artificial sequence: oligonucleotide"

<400> 46  
acgttggatg ctggaactaa gtgatctgtg 30

<210> 47  
<211> 30  
<212> DNA  
<213> Artificial

<220>  
<221> source  
<223> /note="Description of artificial sequence: oligonucleotide"

<400> 47  
acgttggatg ggtaggttag agctcagttc 30

<210> 48  
<211> 30  
<212> DNA  
<213> Artificial

<220>  
<221> source  
<223> /note="Description of artificial sequence: oligonucleotide"

<400> 48  
acgttggatg gtagagaacc tggtaagaag 30

<210> 49  
<211> 30  
<212> DNA  
<213> Artificial

<220>  
<221> source  
<223> /note="Description of artificial sequence: oligonucleotide"

<400> 49  
acgttggatg gtggcaaata ggagttctcc 30

<210> 50  
<211> 30  
<212> DNA  
<213> Artificial

<220>  
<221> source  
<223> /note="Description of artificial sequence: oligonucleotide"

<400> 50  
acgttggatg ttggcaggtg ttttctgag 30

<210> 51  
<211> 30  
<212> DNA  
<213> Artificial

<220>  
<221> source  
<223> /note="Description of artificial sequence: oligonucleotide"

<400> 51  
acgttggatg agaccacacc acagaacaag 30

<210> 52  
<211> 30  
<212> DNA  
<213> Artificial

<220>  
<221> source  
<223> /note="Description of artificial sequence: oligonucleotide"

<400> 52  
acgttggatg ttgcttaacc ctctccagac 30

<210> 53  
<211> 30  
<212> DNA  
<213> Artificial

<220>  
<221> source  
<223> /note="Description of artificial sequence: oligonucleotide"

<400> 53  
acgttggatg atatacatac aggctggccg 30

<210> 54  
<211> 30  
<212> DNA  
<213> Artificial

<220>  
<221> source  
<223> /note="Description of artificial sequence: oligonucleotide"

<400> 54  
acgttggatg actcctgacc tcgtgatctg 30

<210> 55  
<211> 30  
<212> DNA  
<213> Artificial

<220>  
<221> source  
<223> /note="Description of artificial sequence: oligonucleotide"

<400> 55  
acgttggatg gatgactgat acttcagtct 30

<210> 56  
<211> 31  
<212> DNA  
<213> Artificial

<220>  
<221> source  
<223> /note="Description of artificial sequence: oligonucleotide"

<400> 56  
acgttggatg gaaagcaaag ctgaaaagta g 31

<210> 57  
<211> 30  
<212> DNA  
<213> Artificial

<220>  
<221> source  
<223> /note="Description of artificial sequence: oligonucleotide"

<400> 57  
acgttggatg ccactcttac attcctctcc 30

<210> 58  
<211> 30  
<212> DNA  
<213> Artificial

<220>  
<221> source  
<223> /note="Description of artificial sequence: oligonucleotide"

<400> 58  
acgttggatg tccctctcca aatctcactg 30

<210> 59  
<211> 30  
<212> DNA  
<213> Artificial

<220>  
<221> source  
<223> /note="Description of artificial sequence: oligonucleotide"

<400> 59  
acgttggatg agtggagcta taggagctag 30

<210> 60  
<211> 30  
<212> DNA  
<213> Artificial

<220>  
<221> source  
<223> /note="Description of artificial sequence: oligonucleotide"

<400> 60  
acgttggatg acggaaagac tgctgattgc 30

<210> 61  
<211> 30  
<212> DNA  
<213> Artificial

<220>  
<221> source  
<223> /note="Description of artificial sequence: oligonucleotide"

<400> 61  
acgttggatg tcgaaggac ttattcctcc 30

<210> 62  
<211> 30  
<212> DNA  
<213> Artificial

<220>  
<221> source  
<223> /note="Description of artificial sequence: oligonucleotide"

<400> 62  
acgttggatg cagcagaagg aagacatcag 30

<210> 63  
<211> 30  
<212> DNA  
<213> Artificial

<220>  
<221> source  
<223> /note="Description of artificial sequence: oligonucleotide"

<400> 63.  
acgttggatg agaataaacc tgtgtttctg 30

<210> 64  
<211> 30  
<212> DNA

<213> Artificial  
<220>  
<221> source  
<223> /note="Description of artificial sequence: oligonucleotide"

<400> 64  
acgttggatg aggagcaacc atatttctaa

30

<210> 65  
<211> 30  
<212> DNA  
<213> Artificial  
<220>  
<221> source  
<223> /note="Description of artificial sequence: oligonucleotide"

<400> 65  
acgttggatg gggtaaaagt ggcagaacaa

30

<210> 66  
<211> 30  
<212> DNA  
<213> Artificial  
<220>  
<221> source  
<223> /note="Description of artificial sequence: oligonucleotide"

<400> 66  
acgttggatg ccgctggcta atgaaaaaac

30

<210> 67  
<211> 30  
<212> DNA  
<213> Artificial  
<220>  
<221> source  
<223> /note="Description of artificial sequence: oligonucleotide"

<400> 67  
acgttggatg agacgatgga cccattttac

30

<210> 68  
<211> 30  
<212> DNA  
<213> Artificial  
<220>  
<221> source  
<223> /note="Description of artificial sequence: oligonucleotide"

<400> 68  
acgttggatg tctttccaa gtggtaacc

30

<210> 69  
<211> 30  
<212> DNA  
<213> Artificial  
  
<220>  
<221> source  
<223> /note="Description of artificial sequence: oligonucleotide"

<400> 69  
acgttggatg aatttttacc actgagcagg

30

<210> 70  
<211> 30  
<212> DNA  
<213> Artificial  
  
<220>  
<221> source  
<223> /note="Description of artificial sequence: oligonucleotide"

<400> 70  
acgttggatg gctttggctt tacggaagag

30

<210> 71  
<211> 30  
<212> DNA  
<213> Artificial  
  
<220>  
<221> source  
<223> /note="Description of artificial sequence: oligonucleotide"

<400> 71  
acgttggatg attctctctt gagtcgggtgc

30

<210> 72  
<211> 30  
<212> DNA  
<213> Artificial  
  
<220>  
<221> source  
<223> /note="Description of artificial sequence: oligonucleotide"

<400> 72  
acgttggatg tagaaccttg ccacagagac

30

<210> 73  
<211> 30  
<212> DNA  
<213> Artificial  
  
<220>

<221> source  
<223> /note="Description of artificial sequence: oligonucleotide"

<400> 73  
acgttggatg tgcaaaaact aacaaaagcc

30

<210> 74  
<211> 30  
<212> DNA  
<213> Artificial

<220>  
<221> source  
<223> /note="Description of artificial sequence: oligonucleotide"

<400> 74  
acgttggatg agggttatca accttgaggc

30

<210> 75  
<211> 17  
<212> DNA  
<213> Artificial

<220>  
<221> source  
<223> /note="Description of artificial sequence: oligonucleotide"

<400> 75  
ccgccttaca ctttcac

17

<210> 76  
<211> 20  
<212> DNA  
<213> Artificial

<220>  
<221> source  
<223> /note="Description of artificial sequence: oligonucleotide"

<400> 76  
atctgttaact tagagccctt

20

<210> 77  
<211> 18  
<212> DNA  
<213> Artificial

<220>  
<221> source  
<223> /note="Description of artificial sequence: oligonucleotide"

<400> 77  
cagttgaaaag agcctcac

18

<210> 78

<211> 17  
<212> DNA  
<213> Artificial  
  
<220>  
<221> source  
<223> /note="Description of artificial sequence: oligonucleotide"

<400> 78  
ccttaggcat aaccacc

17

<210> 79 ^  
<211> 17  
<212> DNA  
<213> Artificial  
  
<220>  
<221> source  
<223> /note="Description of artificial sequence: oligonucleotide"

<400> 79  
ttctcccgag gctccca

17

<210> 80  
<211> 21  
<212> DNA  
<213> Artificial  
  
<220>  
<221> source  
<223> /note="Description of artificial sequence: oligonucleotide"

<400> 80  
ctggacacaaa ttccttagtt a

21

<210> 81  
<211> 18  
<212> DNA  
<213> Artificial  
  
<220>  
<221> source  
<223> /note="Description of artificial sequence: oligonucleotide"

<400> 81  
aactgagatc atgccact

18

<210> 82  
<211> 18  
<212> DNA  
<213> Artificial  
  
<220>  
<221> source  
<223> /note="Description of artificial sequence: oligonucleotide"

<400> 82  
ggaaaagggct gctcatcc

18

<210> 83  
<211> 21  
<212> DNA  
<213> Artificial

<220>  
<221> source  
<223> /note="Description of artificial sequence: oligonucleotide"

<400> 83  
tcatttaacgc agaaaaacaa a

21

<210> 84  
<211> 18  
<212> DNA  
<213> Artificial

<220>  
<221> source  
<223> /note="Description of artificial sequence: oligonucleotide"

<400> 84  
gaggacagac aaatgact

18

<210> 85  
<211> 21  
<212> DNA  
<213> Artificial

<220>  
<221> source  
<223> /note="Description of artificial sequence: oligonucleotide"

<400> 85  
cagtaatatg cttgctgtac c

21

<210> 86  
<211> 23  
<212> DNA  
<213> Artificial

<220>  
<221> source  
<223> /note="Description of artificial sequence: oligonucleotide"

<400> 86  
ttactagtga cattctaaag gag

23

<210> 87  
<211> 21  
<212> DNA  
<213> Artificial

<220>  
<221> source  
<223> /note="Description of artificial sequence: oligonucleotide"

<400> 87  
gatgcaagaa tagcatggat c

21

<210> 88  
<211> 17  
<212> DNA  
<213> Artificial

<220>  
<221> source  
<223> /note="Description of artificial sequence: oligonucleotide"

<400> 88  
gagctcagtt cccaggg

17

<210> 89  
<211> 21  
<212> DNA  
<213> Artificial

<220>  
<221> source  
<223> /note="Description of artificial sequence: oligonucleotide"

<400> 89  
tgtcagttgt ttttccttga a

21

<210> 90  
<211> 22  
<212> DNA  
<213> Artificial

<220>  
<221> source  
<223> /note="Description of artificial sequence: oligonucleotide"

<400> 90  
gaacaagaaa ccagttgtat ca

22

<210> 91  
<211> 19  
<212> DNA  
<213> Artificial

<220>  
<221> source  
<223> /note="Description of artificial sequence: oligonucleotide"

<400> 91  
ctgtaattcc agcacttgc

19

<210> 92  
<211> 24  
<212> DNA  
<213> Artificial

<220>  
<221> source  
<223> /note="Description of artificial sequence: oligonucleotide"

<400> 92  
agtctttaag ttttaattgca ggtc

24

<210> 93  
<211> 18  
<212> DNA  
<213> Artificial

<220>  
<221> source  
<223> /note="Description of artificial sequence: oligonucleotide"

<400> 93  
attcctctcc tttccagc

18

<210> 94  
<211> 21  
<212> DNA  
<213> Artificial

<220>  
<221> source  
<223> /note="Description of artificial sequence: oligonucleotide"

<400> 94  
aggctcatct gcatctgtta c

21

<210> 95  
<211> 24  
<212> DNA  
<213> Artificial

<220>  
<221> source  
<223> /note="Description of artificial sequence: oligonucleotide"

<400> 95  
tagaatgttc ttacacaaaat ctag

24

<210> 96  
<211> 19  
<212> DNA  
<213> Artificial

<220>  
<221> source

<223> /note="Description of artificial sequence: oligonucleotide"

<400> 96

gtgtttctgg tttgttacc

19

<210> 97

<211> 17

<212> DNA

<213> Artificial

<220>

<221> source

<223> /note="Description of artificial sequence: oligonucleotide"

<400> 97

tggcagaaca atgcatc

17

<210> 98

<211> 22

<212> DNA

<213> Artificial

<220>

<221> source

<223> /note="Description of artificial sequence: oligonucleotide"

<400> 98

cccattttac agttatgggc tc

22

<210> 99

<211> 17

<212> DNA

<213> Artificial

<220>

<221> source

<223> /note="Description of artificial sequence: oligonucleotide"

<400> 99

ctgagcagg t gaaaaat

17

<210> 100

<211> 17

<212> DNA

<213> Artificial

<220>

<221> source

<223> /note="Description of artificial sequence: oligonucleotide"

<400> 100

ggtgcctcgt gcaagac

17

<210> 101

<211> 20

<212> DNA  
<213> Artificial

<220>  
<221> source  
<223> /note="Description of artificial sequence: oligonucleotide"

<400> 101

tttcatctga taggccccac

20

<210> 102  
<211> 29  
<212> DNA  
<213> Artificial

<220>  
<221> source  
<223> /note="Description of artificial sequence: oligonucleotide"

<400> 102

ttgaaaaggg gcatgtgaaa gtgttagggc

29

<210> 103  
<211> 29  
<212> DNA  
<213> Artificial

<220>  
<221> source  
<223> /note="Description of artificial sequence: oligonucleotide"

<400> 103

ttgaaaaggg gcaggtgaaa gtgttagggc

29

<210> 104  
<211> 25  
<212> DNA  
<213> Artificial

<220>  
<221> source  
<223> /note="Description of artificial sequence: oligonucleotide"

<400> 104

gggagcctgt aaaggctct aagtt

25

<210> 105  
<211> 25  
<212> DNA  
<213> Artificial

<220>  
<221> source  
<223> /note="Description of artificial sequence: oligonucleotide"

<400> 105

gggagcctgt gaagggctct aagtt

25

<210> 106  
<211> 22  
<212> DNA  
<213> Artificial

<220>  
<221> source  
<223> /note="Description of artificial sequence: oligonucleotide"

<400> 106  
tccactgaga tgtgaggctc tt

22

<210> 107  
<211> 22  
<212> DNA  
<213> Artificial

<220>  
<221> source  
<223> /note="Description of artificial sequence: oligonucleotide"

<400> 107  
tccactgaga cgtgaggctc tt

22

<210> 108  
<211> 23  
<212> DNA  
<213> Artificial

<220>  
<221> source  
<223> /note="Description of artificial sequence: oligonucleotide"

<400> 108  
agaaaactctt aacggtggtt atg

23

<210> 109  
<211> 23  
<212> DNA  
<213> Artificial

<220>  
<221> source  
<223> /note="Description of artificial sequence: oligonucleotide"

<400> 109  
agaaaactctt aatggtggtt atg

23

<210> 110  
<211> 23  
<212> DNA  
<213> Artificial

<220>  
<221> source  
<223> /note="Description of artificial sequence: oligonucleotide"

<400> 110  
caccaagatc agtgggagcc tcg

23

<210> 111  
<211> 23  
<212> DNA  
<213> Artificial

<220>  
<221> source  
<223> /note="Description of artificial sequence: oligonucleotide"

<400> 111  
caccaagatc actgggagcc tcg

23

<210> 112  
<211> 25  
<212> DNA  
<213> Artificial

<220>  
<221> source  
<223> /note="Description of artificial sequence: oligonucleotide"

<400> 112  
attccttagt taagtcccttg ttctt

25

<210> 113  
<211> 25  
<212> DNA  
<213> Artificial

<220>  
<221> source  
<223> /note="Description of artificial sequence: oligonucleotide"

<400> 113  
attccttagt taggtcccttg ttctt

25

<210> 114  
<211> 23  
<212> DNA  
<213> Artificial

<220>  
<221> source  
<223> /note="Description of artificial sequence: oligonucleotide"

<400> 114  
gatcatgcc a ctgtactcca gcc

23

<210> 115  
<211> 23  
<212> DNA  
<213> Artificial  
  
<220>  
<221> source  
<223> /note="Description of artificial sequence: oligonucleotide"

<400> 115  
gatcatgcc a ctatactcca gcc

23

<210> 116  
<211> 22  
<212> DNA  
<213> Artificial  
  
<220>  
<221> source  
<223> /note="Description of artificial sequence: oligonucleotide"

<400> 116  
acctggatgt cggatgagca gc

22

<210> 117  
<211> 22  
<212> DNA  
<213> Artificial  
  
<220>  
<221> source  
<223> /note="Description of artificial sequence: oligonucleotide"

<400> 117  
acctggatgt gggatgagca gc

22

<210> 118  
<211> 23  
<212> DNA  
<213> Artificial  
  
<220>  
<221> source  
<223> /note="Description of artificial sequence: oligonucleotide"

<400> 118  
agaaaaacaa agttgatcaa aat

23

<210> 119  
<211> 23  
<212> DNA  
<213> Artificial  
  
<220>  
<221> source  
<223> /note="Description of artificial sequence: oligonucleotide"

<400> 119  
agaaaaaaca aattgatcaa aat 23

<210> 120  
<211> 23  
<212> DNA  
<213> Artificial

<220>  
<221> source  
<223> /note="Description of artificial sequence: oligonucleotide"

<400> 120  
ggttctgtct cagtcatttg tct 23

<210> 121  
<211> 23  
<212> DNA  
<213> Artificial

<220>  
<221> source  
<223> /note="Description of artificial sequence: oligonucleotide"

<400> 121  
ggttctgtct tagtcatttg tct 23

<210> 122  
<211> 19  
<212> DNA  
<213> Artificial

<220>  
<221> source  
<223> /note="Description of artificial sequence: oligonucleotide"

<400> 122  
tcttcatgcc gggtacagc 19

<210> 123  
<211> 19  
<212> DNA  
<213> Artificial

<220>  
<221> source  
<223> /note="Description of artificial sequence: oligonucleotide"

<400> 123  
tcttcatgcc aggtacagc 19

<210> 124  
<211> 21  
<212> DNA

<213> Artificial  
<220>  
<221> source  
<223> /note="Description of artificial sequence: oligonucleotide"

<400> 124  
cagggtcttc tgctccttta g 21

<210> 125  
<211> 21  
<212> DNA  
<213> Artificial

<220>  
<221> source  
<223> /note="Description of artificial sequence: oligonucleotide"

<400> 125  
cagggtcttc tcctccttta g 21

<210> 126  
<211> 24  
<212> DNA  
<213> Artificial

<220>  
<221> source  
<223> /note="Description of artificial sequence: oligonucleotide"

<400> 126  
tagcatggat cagttcatca acta 24

<210> 127  
<211> 24  
<212> DNA  
<213> Artificial

<220>  
<221> source  
<223> /note="Description of artificial sequence: oligonucleotide"

<400> 127  
tagcatggat ctgttcatca acta 24

<210> 128  
<211> 25  
<212> DNA  
<213> Artificial

<220>  
<221> source  
<223> /note="Description of artificial sequence: oligonucleotide"

<400> 128

gaatcttgaa tgtccctggg aactg

25

<210> 129  
<211> 25  
<212> DNA  
<213> Artificial

<220>  
<221> source  
<223> /note="Description of artificial sequence: oligonucleotide"

<400> 129  
gaatcttgaa tgccctggg aactg

25

<210> 130  
<211> 24  
<212> DNA  
<213> Artificial

<220>  
<221> source  
<223> /note="Description of artificial sequence: oligonucleotide"

<400> 130  
ttttcccttg aagtgacaga ctta

24

<210> 131  
<211> 24  
<212> DNA  
<213> Artificial

<220>  
<221> source  
<223> /note="Description of artificial sequence: oligonucleotide"

<400> 131  
ttttcccttg aaatgacaga ctta

24

<210> 132  
<211> 21  
<212> DNA  
<213> Artificial

<220>  
<221> source  
<223> /note="Description of artificial sequence: oligonucleotide"

<400> 132  
gttgtatcat tcagtatata t

21

<210> 133  
<211> 21  
<212> DNA  
<213> Artificial

<220>  
<221> source  
<223> /note="Description of artificial sequence: oligonucleotide"

<400> 133  
gttgtatcac tcagtatata t

21

<210> 134  
<211> 23  
<212> DNA  
<213> Artificial

<220>  
<221> source  
<223> /note="Description of artificial sequence: oligonucleotide"

<400> 134  
tccagcactt tgggaggcca agg

23

<210> 135  
<211> 23  
<212> DNA  
<213> Artificial

<220>  
<221> source  
<223> /note="Description of artificial sequence: oligonucleotide"

<400> 135  
tccagcactt tgcgaggcca agg

23

<210> 136  
<211> 22  
<212> DNA  
<213> Artificial

<220>  
<221> source  
<223> /note="Description of artificial sequence: oligonucleotide"

<400> 136  
aatgtagcca cgacctgcaa tt

22

<210> 137  
<211> 22  
<212> DNA  
<213> Artificial

<220>  
<221> source  
<223> /note="Description of artificial sequence: oligonucleotide"

<400> 137  
aatgtagcca agacctgcaa tt

22

<210> 138  
<211> 22  
<212> DNA  
<213> Artificial  
  
<220>  
<221> source  
<223> /note="Description of artificial sequence: oligonucleotide"

<400> 138  
ctcctttcca gcgctattat tg 22

<210> 139  
<211> 22  
<212> DNA  
<213> Artificial  
  
<220>  
<221> source  
<223> /note="Description of artificial sequence: oligonucleotide"

<400> 139  
ctcctttcca gcactattat tg 22

<210> 140  
<211> 22  
<212> DNA  
<213> Artificial  
  
<220>  
<221> source  
<223> /note="Description of artificial sequence: oligonucleotide"

<400> 140  
gccctgattg cggttaacaga tg 22

<210> 141  
<211> 22  
<212> DNA  
<213> Artificial  
  
<220>  
<221> source  
<223> /note="Description of artificial sequence: oligonucleotide"

<400> 141  
gccctgattg cagtaacaga tg 22

<210> 142  
<211> 23  
<212> DNA  
<213> Artificial  
  
<220>  
<221> source  
<223> /note="Description of artificial sequence: oligonucleotide"

<400> 142  
cacaaatcta ggtggaacag cct 23

<210> 143  
<211> 23  
<212> DNA  
<213> Artificial

<220>  
<221> source  
<223> /note="Description of artificial sequence: oligonucleotide"

<400> 143  
cacaaatcta gatggaacag cct 23

<210> 144  
<211> 24  
<212> DNA  
<213> Artificial

<220>  
<221> source  
<223> /note="Description of artificial sequence: oligonucleotide"

<400> 144  
gacagtttag tgggtaacaa acca 24

<210> 145  
<211> 24  
<212> DNA  
<213> Artificial

<220>  
<221> source  
<223> /note="Description of artificial sequence: oligonucleotide"

<400> 145  
gacagtttag taggtaacaa acca 24

<210> 146  
<211> 23  
<212> DNA  
<213> Artificial

<220>  
<221> source  
<223> /note="Description of artificial sequence: oligonucleotide"

<400> 146  
tttttagcaa cgatgcattg ttc 23

<210> 147  
<211> 23  
<212> DNA

<213> Artificial  
<220>  
<221> source  
<223> /note="Description of artificial sequence: oligonucleotide"

<400> 147  
tttttagcaa tgatgcattg ttc

23

<210> 148  
<211> 19  
<212> DNA  
<213> Artificial  
<220>  
<221> source  
<223> /note="Description of artificial sequence: oligonucleotide"

<400> 148  
tatgggctct caaaaattca

19

<210> 149  
<211> 19  
<212> DNA  
<213> Artificial  
<220>  
<221> source  
<223> /note="Description of artificial sequence: oligonucleotide"

<400> 149  
tatgggctcc caaaaattca

19

<210> 150  
<211> 23  
<212> DNA  
<213> Artificial  
<220>  
<221> source  
<223> /note="Description of artificial sequence: oligonucleotide"

<400> 150  
atacttattt gaattttca cct

23

<210> 151  
<211> 23  
<212> DNA  
<213> Artificial  
<220>  
<221> source  
<223> /note="Description of artificial sequence: oligonucleotide"

<400> 151  
atacttattt ggattttca cct

23

<210> 152  
<211> 25  
<212> DNA  
<213> Artificial  
  
<220>  
<221> source  
<223> /note="Description of artificial sequence: oligonucleotide"

<400> 152  
ctcggtgcaga gccccctcctc tgctg

25

<210> 153  
<211> 25  
<212> DNA  
<213> Artificial  
  
<220>  
<221> source  
<223> /note="Description of artificial sequence: oligonucleotide"

<400> 153  
ctcggtgcaga gctcctcctc tgctg

25

<210> 154  
<211> 22  
<212> DNA  
<213> Artificial  
  
<220>  
<221> source  
<223> /note="Description of artificial sequence: oligonucleotide"

<400> 154  
aggcccaaca gtataccctt gc

22

<210> 155  
<211> 22  
<212> DNA  
<213> Artificial  
  
<220>  
<221> source  
<223> /note="Description of artificial sequence: oligonucleotide"

<400> 155  
aggcccaacg gtataccctt gc

22